

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101511,484  
Source: IFEW16  
Date Processed by STIC: 3/15/07

***ENTERED***



IFW16

RAW SEQUENCE LISTING DATE: 03/15/2007  
 PATENT APPLICATION: US/10/511,484 TIME: 14:37:45

Input Set : N:\efs\03\_15\_07  
 \10511484\_efs\20070313\_Sequence\_Listing\_20747\_200.txt  
 Output Set: N:\CRF4\03152007\J511484.raw

3 <110> APPLICANT: Jabbour, Henry  
 4 Milne, Stuart  
 5 Critchley, Hilary  
 7 <120> TITLE OF INVENTION: FP RECEPTOR ANTAGONISTS OR PGF2 ALPHA ANTAGONISTS FOR  
 TREATING  
 8 MENORRHAGIA  
 10 <130> FILE REFERENCE: 20747/200  
 12 <140> CURRENT APPLICATION NUMBER: US 10/511,484  
 13 <141> CURRENT FILING DATE: 2005-10-21  
 15 <150> PRIOR APPLICATION NUMBER: PCT/GB03/01536  
 16 <151> PRIOR FILING DATE: 2003-04-10  
 18 <150> PRIOR APPLICATION NUMBER: GB 0208785.6  
 19 <151> PRIOR FILING DATE: 2002-04-17  
 21 <150> PRIOR APPLICATION NUMBER: GB 0208783.1  
 22 <151> PRIOR FILING DATE: 2002-04-17  
 24 <160> NUMBER OF SEQ ID NOS: 20  
 26 <170> SOFTWARE: PatentIn version 3.3  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 19  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Artificial  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: PCP-1  
 36 <400> SEQUENCE: 1  
 38 Arg Val Lys Phe Lys Ser Gln Gln His Arg Gln Gly Arg Ser His His  
 39 1 5 10 15  
 42 Leu Glu Met  
 46 <210> SEQ ID NO: 2  
 47 <211> LENGTH: 52  
 48 <212> TYPE: PRT  
 49 <213> ORGANISM: Artificial  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: PCP-2  
 54 <400> SEQUENCE: 2  
 56 Arg Lys Ala Val Leu Lys Asn Leu Tyr Lys Leu Ala Ser Gln Cys Cys  
 57 1 5 10 15  
 60 Gly Val His Val Ile Ser Leu His Ile Trp Glu Leu Ser Ser Ile Lys  
 61 20 25 30  
 64 Asn Ser Leu Lys Val Ala Ala Ile Ser Glu Ser Pro Val Ala Glu Lys  
 65 35 40 45  
 68 Ser Ala Ser Thr  
 69 50  
 72 <210> SEQ ID NO: 3

73 <211> LENGTH: 30

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74 <212> TYPE: PRT  
75 <213> ORGANISM: Artificial  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: PCP-3  
80 <400> SEQUENCE: 3  
82 Cys Leu Ser Glu Glu Ala Lys Glu Ala Arg Arg Ile Asn Asp Glu Ile  
83 1 5 10 15  
86 Glu Arg Gln Leu Arg Arg Asp Lys Arg Asp Ala Arg Arg Glu  
87 20 25 30  
90 <210> SEQ ID NO: 4  
91 <211> LENGTH: 15  
92 <212> TYPE: PRT  
93 <213> ORGANISM: Artificial  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: PCP-4  
98 <400> SEQUENCE: 4  
100 Lys Asp Thr Ile Leu Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val  
101 1 5 10 15  
104 <210> SEQ ID NO: 5  
105 <211> LENGTH: 8  
106 <212> TYPE: PRT  
107 <213> ORGANISM: Artificial  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: PCP-8  
112 <400> SEQUENCE: 5  
114 Ile Leu Gly His Arg Asp Tyr Lys  
115 1 5  
118 <210> SEQ ID NO: 6  
119 <211> LENGTH: 8  
120 <212> TYPE: PRT  
121 <213> ORGANISM: Artificial  
123 <220> FEATURE:  
124 <223> OTHER INFORMATION: PCP-10  
126 <400> SEQUENCE: 6  
128 Trp Glu Asp Arg Phe Tyr Leu Leu  
129 1 5  
132 <210> SEQ ID NO: 7  
133 <211> LENGTH: 9  
134 <212> TYPE: PRT  
135 <213> ORGANISM: Artificial  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: EP4 receptor antagonist  
140 <400> SEQUENCE: 7  
142 Ile Phe Thr Ser Tyr Leu Glu Cys Leu  
143 1 5  
146 <210> SEQ ID NO: 8  
147 <211> LENGTH: 8  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Artificial

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151 <220> FEATURE:  
152 <223> OTHER INFORMATION: EP4 receptor antagonist  
154 <400> SEQUENCE: 8  
156 Ile Phe Ala Ser Tyr Glu Cys Leu  
157 1 5  
160 <210> SEQ ID NO: 9  
161 <211> LENGTH: 8  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial  
165 <220> FEATURE:  
166 <223> OTHER INFORMATION: EP4 receptor antagonist  
168 <400> SEQUENCE: 9  
170 Ile Phe Thr Ser Ala Glu Cys Leu  
171 1 5  
174 <210> SEQ ID NO: 10  
175 <211> LENGTH: 8  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Artificial  
179 <220> FEATURE:  
180 <223> OTHER INFORMATION: EP4 receptor antagonist  
182 <400> SEQUENCE: 10  
184 Ile Phe Thr Ser Tyr Glu Ala Leu  
185 1 5  
188 <210> SEQ ID NO: 11  
189 <211> LENGTH: 8  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Artificial  
193 <220> FEATURE:  
194 <223> OTHER INFORMATION: EP4 receptor antagonist  
196 <400> SEQUENCE: 11  
198 Ile Leu Ala Ser Tyr Glu Cys Leu  
199 1 5  
202 <210> SEQ ID NO: 12  
203 <211> LENGTH: 8  
204 <212> TYPE: PRT  
205 <213> ORGANISM: Artificial  
207 <220> FEATURE:  
208 <223> OTHER INFORMATION: EP4 receptor antagonist  
210 <400> SEQUENCE: 12  
212 Ile Phe Thr Ser Thr Asp Cys Leu  
213 1 5  
216 <210> SEQ ID NO: 13  
217 <211> LENGTH: 7  
218 <212> TYPE: PRT  
219 <213> ORGANISM: Artificial  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: EP4 receptor antagonist  
225 <220> FEATURE:  
226 <221> NAME/KEY: UNSURE

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227 <222> LOCATION: (1)..(1)  
228 <223> OTHER INFORMATION: Xaa at position 1 is 4-biphenyl alanine  
230 <400> SEQUENCE: 13  
W--> 232 Xaa Thr Ser Tyr Glu Ala Leu  
233 1 5  
236 <210> SEQ ID NO: 14  
237 <211> LENGTH: 7  
238 <212> TYPE: PRT  
239 <213> ORGANISM: Artificial  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: EP4 receptor antagonist  
245 <220> FEATURE:  
246 <221> NAME/KEY: UNSURE  
247 <222> LOCATION: (1)..(1)  
248 <223> OTHER INFORMATION: Xaa at position 1 is homophenyl alanine  
250 <400> SEQUENCE: 14  
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253 1 5  
256 <210> SEQ ID NO: 15  
257 <211> LENGTH: 19  
258 <212> TYPE: DNA  
259 <213> ORGANISM: Artificial  
261 <220> FEATURE:  
262 <223> OTHER INFORMATION: FP Receptor Fwd Primer , 19  
264 <400> SEQUENCE: 15  
265 gcagctgcgc ttcttcaa  
268 <210> SEQ ID NO: 16  
269 <211> LENGTH: 30  
270 <212> TYPE: DNA  
271 <213> ORGANISM: Artificial  
273 <220> FEATURE:  
274 <223> OTHER INFORMATION: FP Receptor Rev Primer  
276 <400> SEQUENCE: 16 30  
277 cactgtcatg aagattactg aaaaaaaatac  
280 <210> SEQ ID NO: 17  
281 <211> LENGTH: 24  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Artificial  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: FP Receptor Probe  
288 <400> SEQUENCE: 17  
289 cacaacctgc cagacggaaa accg 24  
292 <210> SEQ ID NO: 18  
293 <211> LENGTH: 20  
294 <212> TYPE: DNA  
295 <213> ORGANISM: Artificial  
297 <220> FEATURE:  
298 <223> OTHER INFORMATION: Ribosomal 18S Fwd Primer  
300 <400> SEQUENCE: 18

## RAW SEQUENCE LISTING

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301	cggttaccac atccaaaggaa	20
304	<210> SEQ ID NO: 19	
305	<211> LENGTH: 18	
306	<212> TYPE: DNA	
307	<213> ORGANISM: Artificial	
309	<220> FEATURE:	
310	<223> OTHER INFORMATION: Ribosomal 18S Rev Primer	
312	<400> SEQUENCE: 19	
313	gctggattt ccgcggct	18
316	<210> SEQ ID NO: 20	
317	<211> LENGTH: 22	
318	<212> TYPE: DNA	
319	<213> ORGANISM: Artificial	
321	<220> FEATURE:	
322	<223> OTHER INFORMATION: Ribosomal 18S Probe	
324	<400> SEQUENCE: 20	
325	tgctggcacc agacttgccc tc	22

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/511,484

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Input Set : N:\efs\03\_15\_07  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; Xaa Pos. 1 ✓  
Seq#:14; Xaa Pos. 1 ✓

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20

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L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0